

# SUBJECT INDEX

## Accident data

Developing an Intersection Hazard Index, Richard E. Ward, Ronald W. Eck and Abishai Polus, TE Mar. 87 p211-215.

PC-Based Traffic Accident Data Analysis Program, Carl Thor, TE July 87 p402-412.

Uncontrolled T Intersections: Who Should Yield? Robert E. Montgomery and Robert L. Carstens, TE May 87 p299-314.

## Air pollution

NO<sub>x</sub> Exposure from Vehicles and Gas Stoves, Michael D. Rowe, TE Nov. 85 p679-691.

## Air quality

Environmental Planning in Urban Transportation, Louis F. Cohn and Roswell A. Harris, TE May 87 p229-247.

## Air traffic

Application of Expert Systems in Air Traffic Control, Geoffrey D. Gosling, TE Mar. 87 p139-154.

## Air transportation

Local Air Service and Economic Impact of Small Airports, Adib Kanafani and Mahmoud S. Abbas, TE Jan. 87 p42-55.

## Airports

Environmental Planning in Urban Transportation, Louis F. Cohn and Roswell A. Harris, TE May 87 p229-247.

Local Air Service and Economic Impact of Small Airports, Adib Kanafani and Mahmoud S. Abbas, TE Jan. 87 p42-55.

## Algorithms

Expert System for Traffic Signal Setting Assistance, Carlos Zozaya-Gorostiza and Chris Hendrickson, TE Mar. 87 p108-126.

## Automobile usage

Public Use of Autos: Mobility Enterprise Project, M. J. Doherty, F. T. Sparrow and K. C. Sinha, TE Jan. 87 p84-94.

## Automobiles

Flexible Pavement Strains Caused by Auto Tires, Freddy L. Roberts, TE Sept. 87 p471-483.

## Backfills

Behavior and Design of Buried Very Flexible Plastic Pipes, Jey K. Jeyapalan, S. Wesley Ethiyajeevakaruna and Bruce A. Boldon, TE Nov. 87 p642-657.

E' and Its Variation With Depth, James D. Hartley and James M. Duncan, TE Sept. 87 p538-558.

## Barriers

Designing Noise Barriers Using Expert System CHINA, R. A. Harris, L. F. Cohn and W. Bowlby, TE Mar. 87 p127-138.

## Bridge decks

Field Performance of Deep Polymer Impregnation, Philip D. Cady, Richard E. Weyers and John A. Manson, TE Jan. 87 p1-14.

## Bridge inspection

Bridge Analysis and Rating with Microcomputers, Carl E. Kurt, TE July 87 p357-369.

## Bridges, girder

Bridge Analysis and Rating with Microcomputers, Carl E. Kurt, TE July 87 p357-369.

## Bridges, truss

Bridge Analysis and Rating with Microcomputers, Carl E. Kurt, TE July 87 p357-369.

## Buried pipes

Behavior and Design of Buried Very Flexible Plastic Pipes, Jey K. Jeyapalan, S. Wesley Ethiyajeevakaruna and Bruce A. Boldon, TE Nov. 87 p642-657.

Buried Concrete Pipe Trench Installation Analysis, Ernest T. Selig and David L. Packard, TE Sept. 87 p485-501.

E' and Its Variation With Depth, James D. Hartley and James M. Duncan, TE Sept. 87 p538-558.

Effects of Vehicles on Buried, High-Pressure Pipe, John C. Potter, TE May 85 p224-236.

## Buses

Electronic Schedule Display System, Marilyn M. Reynolds, TE July 87 p463-469.

Network Performance Evaluation Model for HOV Facilities, Bruce N. Janson, Carlos Zozaya-Gorostiza and Frank Southworth, TE July 87 p381-401.

## Car pools

Network Performance Evaluation Model for HOV Facilities, Bruce N. Janson, Carlos Zozaya-Gorostiza and Frank Southworth, TE July 87 p381-401.

## Chemicals

Chemistry of Deicing Roads: Breaking the Bond Between Ice and Road, Susan E. Trost, Frank J. Heng and E. L. Cussler, TE Jan. 87 p15-26.

## Community planning

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

## Comparative studies

Comparison of Computer Programs for Isolated Signalized Intersection, Judson S. Matthias, A. Essam Radwan and Ahmad Sadegh, TE July 87 p370-380.

## Computer programs

Axisymmetric Slabs of Finite Extent on Elastic Solid, Anastasios M. Ioannides, TE May 87 p277-290.

## **Computer software**

Bridge Analysis and Rating with Microcomputers, Carl E. Kurt, TE July 87 p357-369.

Comparison of Computer Programs for Isolated Signalized Intersection, Judson S. Matthias, A. Essam Radwan and Ahmad Sadegh, TE July 87 p370-380.

Microcomputer Tool for Freeway Work Zone Planning and Scheduling, Raymond A. Krammes, Blair G. Marsden and Conrad L. Dudek, TE July 87 p348-356.

Urban Arterial Planning and Analysis, Dane R. Ismart and George Schoener, TE May 87 p291-298.

## **Concrete pavements**

Estimation of Mechanical Deterioration of Highway Rigid Pavements, Jesus Larralde and Wai-Fah Chen, TE Mar. 87 p193-208.

## **Concrete pipes**

Buried Concrete Pipe Trench Installation Analysis, Ernest T. Selig and David L. Packard, TE Sept. 87 p485-501.

## **Construction sites**

Microcomputer Tool for Freeway Work Zone Planning and Scheduling, Raymond A. Krammes, Blair G. Marsden and Conrad L. Dudek, TE July 87 p348-356.

Traffic Control at Intersection Sites during Reconstruction, Roger Plumb and Panos Michalopoulos, TE July 87 p422-436.

## **Contact pressure**

Flexible Pavement Strains Caused by Auto Tires, Freddy L. Roberts, TE Sept. 87 p471-483.

Tire Contact Pressure and Its Effect on Pavement Strain, John T. Tielking and Freddy L. Roberts, TE Jan. 87 p56-71.

## **Corrosion control**

Field Performance of Deep Polymer Impregnation, Philip D. Cady, Richard E. Weyers and John A. Manson, TE Jan. 87 p1-14.

## **Cost estimates**

Data Base for Preliminary Cost Estimating, Lansford, C. Bell and Albert Kaminsky, TE July 87 p341-347.

## **Cost minimization**

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

## **Data analysis**

Pavement Condition Data Analysis, John P. Zaniewski, Stuart W. Hudson and W. Ronald Hudson, TE July 87 p413-421.

## **Database management systems**

Data Base for Preliminary Cost Estimating, Lansford, C. Bell and Albert Kaminsky, TE July 87 p341-347.

## **Decision making**

Multi-Attribute Utility in Pavement Rehabilitation

Decisions, Satish Mohan and Adil Bushnak, TE July 85 p426-440.

## **Deflection**

E' and Its Variation With Depth, James D. Hartley and James M. Duncan, TE Sept. 87 p538-558.

## **Deicing**

Chemistry of Deicing Roads: Breaking the Bond Between Ice and Road, Susan E. Trost, Frank J. Heng and E. L. Cussler, TE Jan. 87 p15-26.

## **Design criteria**

Probabilistic Approach to Consistency in Geometric Design, Moshe Hirsh, TE May 87 p268-276.

## **Design standards**

Case for Variable Design Standards for Secondary Roads, Cletus R. Mercier, TE Mar. 87 p178-192.

## **Driver behavior**

Probabilistic Approach to Consistency in Geometric Design, Moshe Hirsh, TE May 87 p268-276.

Uncontrolled T Intersections: Who Should Yield? Robert E. Montgomery and Robert L. Carstens, TE May 87 p299-314.

## **Dynamic loads**

Effects of Vehicles on Buried, High-Pressure Pipe, John C. Potter, TE May 85 p224-236.

## **Earthmoving**

Proper Determination of Earthworks Overhaul, Abishai Polus, TE May 87 p249-255.

## **Earthwork**

Proper Determination of Earthworks Overhaul, Abishai Polus, TE May 87 p249-255.

## **Economic impact**

Local Air Service and Economic Impact of Small Airports, Adib Kanafani and Mahmoud S. Abbas, TE Jan. 87 p42-55.

## **Elastic foundations**

Axisymmetric Slabs of Finite Extent on Elastic Solid, Anastasios M. Ioannides, TE May 87 p277-290.

## **Emergency services**

Assessing Traffic and Emergency Benefits of Railroad Grade Separations, Said M. Easa and David R. McColl, TE Nov. 87 p593-608.

## **Energy planning**

Network Performance Evaluation Model for HOV Facilities, Bruce N. Janson, Carlos Zozaya-Gorostiza and Frank Southworth, TE July 87 p381-401.

## **Engines**

Estimating Effect of Vehicle Characteristics on Fuel Consumption, D. C. Biggs and R. Akcelik, TE Jan. 87 p101-106.

## **Environmental planning**

Environmental Planning in Urban Transportation,

- Louis F. Cohn and Roswell A. Harris, TE May 87 p229-247.
- Expert systems**
- Application of Expert Systems in Air Traffic Control, Geoffrey D. Gosling, TE Mar. 87 p139-154.
- Designing Noise Barriers Using Expert System CHINA, R. A. Harris, L. F. Cohn and W. Bowlby, TE Mar. 87 p127-138.
- Expert System for Traffic Signal Setting Assistance, Carlos Zozaya-Gorostiza and Chris Hendrickson, TE Mar. 87 p108-126.
- Surface Condition Expert System for Pavement Rehabilitation Planning, Stephen G. Ritchie, Che-I Yeh, Joe P. Mahoney and Newton C. Jackson, TE Mar. 87 p155-167.
- Fares**
- Incremental Optimization Design of Transit Service, Eil Kwon and Yorgos J. Stephanedes, TE July 87 p437-449.
- Fatigue**
- Flexible Pavement Strains Caused by Auto Tires, Freddy L. Roberts, TE Sept. 87 p471-483.
- Tensile Fracture and Fatigue of Cement-Stabilized Soil, William W. Crockford and Dallas N. Little, TE Sept. 87 p520-537.
- Finite element method**
- Behavior and Design of Buried Very Flexible Plastic Pipes, Jey K. Jeyapalan, S. Wesley Ethiyajeevakaruna and Bruce A. Boldon, TE Nov. 87 p642-657.
- Financing**
- Public-Private Partnerships in Joint Development, Erskine S. Walther, TE Jan. 87 p97-100.
- Review of Financing Options for Highways and Transit, Gary T. Johnson and Lester A. Hoel, TE Jan. 87 p72-83.
- Finite element method**
- Buried Concrete Pipe Trench Installation Analysis, Ernest T. Selig and David L. Packard, TE Sept. 87 p485-501.
- Flexible pavements**
- Flexible Pavement Strains Caused by Auto Tires, Freddy L. Roberts, TE Sept. 87 p471-483.
- Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.
- Surface Condition Expert System for Pavement Rehabilitation Planning, Stephen G. Ritchie, Che-I Yeh, Joe P. Mahoney and Newton C. Jackson, TE Mar. 87 p155-167.
- Tire Contact Pressure and Its Effect on Pavement Strain, John T. Tielking and Freddy L. Roberts, TE Jan. 87 p56-71.
- Flexible pipe**
- Behavior and Design of Buried Very Flexible Plastic Pipes, Jey K. Jeyapalan, S. Wesley Ethiyajeevakaruna and Bruce A. Boldon, TE Nov. 87 p642-657.
- Flexible pipes**
- E' and Its Variation With Depth, James D. Hartley and James M. Duncan, TE Sept. 87 p538-558.
- Fracture mechanics**
- Tensile Fracture and Fatigue of Cement-Stabilized Soil, William W. Crockford and Dallas N. Little, TE Sept. 87 p520-537.
- Freight transportation**
- Modal Split Analysis Using Logit Models, A. S. Narasimha Murthy and B. Ashtakala, TE Sept. 87 p502-519.
- Fuel consumption**
- Estimating Effect of Vehicle Characteristics on Fuel Consumption, D. C. Biggs and R. Akcelik, TE Jan. 87 p101-106.
- Grade separation**
- Assessing Traffic and Emergency Benefits of Railroad Grade Separations, Said M. Easa and David R. McColl, TE Nov. 87 p593-608.
- Health hazards**
- NO<sub>x</sub> Exposure from Vehicles and Gas Stoves, Michael D. Rowe, TE Nov. 85 p679-691.
- Highway construction**
- Data Base for Preliminary Cost Estimating, Lansford, C. Bell and Albert Kaminsky, TE July 87 p341-347.
- Microcomputer Tool for Freeway Work Zone Planning and Scheduling, Raymond A. Krammes, Blair G. Marsden and Conrad L. Dudek, TE July 87 p348-356.
- Highway design**
- Probabilistic Approach to Consistency in Geometric Design, Moshe Hirsh, TE May 87 p268-276.
- Highway maintenance**
- Data Base for Preliminary Cost Estimating, Lansford, C. Bell and Albert Kaminsky, TE July 87 p341-347.
- Microcomputer Tool for Freeway Work Zone Planning and Scheduling, Raymond A. Krammes, Blair G. Marsden and Conrad L. Dudek, TE July 87 p348-356.
- Highway planning**
- Driver Population Factor in New Highway Capacity Manual, Satish C. Sharma, TE Sept. 87 p575-579.
- Highway safety**
- Tort Liability and Risk Management, Gary L. Gittings, TE Jan. 87 p27-41.
- Highway surfaces**
- Estimation of Mechanical Deterioration of Highway Rigid Pavements, Jesus Larralde and Wai-Fah Chen, TE Mar. 87 p193-208.
- Highway taxation**
- Review of Financing Options for Highways and Transit, Gary T. Johnson and Lester A. Hoel, TE Jan. 87 p72-83.

## Highways

- Designing Noise Barriers Using Expert System  
CHINA, R. A. Harris, L. F. Cohn and W.  
Bowlby, TE Mar. 87 p127-138.
- Environmental Planning in Urban Transportation,  
Louis F. Cohn and Roswell A. Harris, TE May  
87 p229-247.
- Review of Financing Options for Highways and  
Transit, Gary T. Johnson and Lester A. Hoel, TE  
Jan. 87 p72-83.

## Human ecology

- NO<sub>x</sub> Exposure from Vehicles and Gas Stoves,  
Michael D. Rowe, TE Nov. 85 p679-691.

## Impregnation

- Field Performance of Deep Polymer Impregnation,  
Philip D. Cady, Richard E. Weyers and John A.  
Manson, TE Jan. 87 p1-14.

## Information systems

- Electronic Schedule Display System, Marilyn M.  
Reynolds, TE July 87 p463-469.

## Interactive systems

- Incremental Optimization Design of Transit Service,  
Eil Kwon and Yorgos J. Stephanedes, TE  
July 87 p437-449.

## Intersections

- Are Pedestrians Safe at Right-On-Red Intersections?  
Himmat S. Chadda and Paul M. Schonfeld, TE Jan. 85 p1-16.
- Developing an Intersection Hazard Index, Richard  
E. Ward, Ronald W. Eck and Abishai Polus, TE  
Mar. 87 p211-215.
- Improving Manual Counts of Turning Traffic  
Volumes at Road Junctions, Olusegun Adebisi,  
TE May 87 p256-267.
- Traffic Control at Intersection Sites during Reconstruction,  
Roger Plum and Panos Michalopoulos, TE  
July 87 p422-436.
- Uncontrolled T Intersections: Who Should Yield?  
Robert E. Montgomery and Robert L. Carstena,  
TE May 87 p299-314.

## Investments

- Review of Financing Options for Highways and  
Transit, Gary T. Johnson and Lester A. Hoel, TE  
Jan. 87 p72-83.

## Joint ventures

- Public-Private Partnerships in Joint Development,  
Erskine S. Walther, TE Jan. 87 p97-100.
- Review of Financing Options for Highways and  
Transit, Gary T. Johnson and Lester A. Hoel, TE  
Jan. 87 p72-83.

## Leakage

- Leakage from Ruptured Submarine Oil Pipeline, C.  
Kranenburg and E. Vegt, TE Sept. 85 p570-581.

## Left-turns

- Left-Turn Adjustment Factor for Permitted Phasing,  
David L. Guell, TE Nov. 87 p689-695.

## Legislation

- Urban Transportation Planning Since the Federal-Aid Highway Act of 1962, Edward Weiner, TE  
Nov. 87 p658-671.

## Liability

- Tort Liability and Risk Management, Gary L.  
Gittings, TE Jan. 87 p27-41.

## Load combinations

- Longitudinal Stresses and Strains in Design of  
RPM Pipes, Jey K. Jeyapalan and B. M.  
Abdel-Magid, TE May 87 p315-331.

## Maintenance

- Optimal Maintenance Decisions for Pavement  
Management, J. V. Carnahan, W. J. Davis, M. Y.  
Shahin, P. L. Keane and M. I. Wu, TE Sept. 87  
p554-572.

## Marketing

- Review of Financing Options for Highways and  
Transit, Gary T. Johnson and Lester A. Hoel, TE  
Jan. 87 p72-83.

## Markov process

- Optimal Maintenance Decisions for Pavement  
Management, J. V. Carnahan, W. J. Davis, M. Y.  
Shahin, P. L. Keane and M. I. Wu, TE Sept. 87  
p554-572.

## Mathematical models

- Estimating Effect of Vehicle Characteristics on Fuel  
Consumption, D. C. Biggs and R. Akcelik, TE  
Jan. 87 p101-106.
- Leakage from Ruptured Submarine Oil Pipeline, C.  
Kranenburg and E. Vegt, TE Sept. 85 p570-581.

## Microcomputers

- Bridge Analysis and Rating with Microcomputers,  
Carl E. Kurt, TE July 87 p357-369.
- Data Base for Preliminary Cost Estimating, Lansford,  
C. Bell and Albert Kaminsky, TE July 87  
p341-347.
- Electronic Schedule Display System, Marilyn M.  
Reynolds, TE July 87 p463-469.
- Microcomputer Tool for Freeway Work Zone  
Planning and Scheduling, Raymond A.  
Krammes, Blair G. Marsden and Conrad L.  
Dudek, TE July 87 p348-356.
- PASSER II-84 Microcomputer Environment System—  
Practical Signal-Timing Tool, Edmond  
Chin-Ping Chang, Blair G. Marsden and B. Ray  
Derr, TE Nov. 87 p625-641.
- PC-Based Traffic Accident Data Analysis Program,  
Carl Thor, TE July 87 p402-412.
- Traffic Control at Intersection Sites during Reconstruction,  
Roger Plum and Panos Michalopoulos, TE  
July 87 p422-436.
- Urban Arterial Planning and Analysis, Dane R.  
Ismart and George Schoener, TE May 87  
p291-298.
- XNET: Extended Traffic Assignment Model, Yosef  
Sheffi and Cynthia Barnhart, TE July 87 p450-462.

### **Modal split**

Modal Split Analysis Using Logit Models, A. S. Narasimha Murthy and B. Ashtakala, TE Sept. 87 p502-519.

### **Network design**

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

### **Nitrogen dioxide**

NO<sub>x</sub> Exposure from Vehicles and Gas Stoves, Michael D. Rowe, TE Nov. 85 p679-691.

### **Noise**

Environmental Planning in Urban Transportation, Louis F. Cohn and Roswell A. Harris, TE May 87 p229-247.

### **Noise control**

Design Method for Parallel Traffic Noise Barriers, William Bowlby, Louis F. Cohn and Roswell A. Harris, TE Nov. 87 p672-685.

Designing Noise Barriers Using Expert System CHINA, R. A. Harris, L. F. Cohn and W. Bowlby, TE Mar. 87 p127-138.

### **Offshore pipelines**

Leakage from Ruptured Submarine Oil Pipeline, C. Kranenburg and E. Vegt, TE Sept. 85 p570-581.

### **Oil pipelines**

Leakage from Ruptured Submarine Oil Pipeline, C. Kranenburg and E. Vegt, TE Sept. 85 p570-581.

### **Oil spills**

Leakage from Ruptured Submarine Oil Pipeline, C. Kranenburg and E. Vegt, TE Sept. 85 p570-581.

### **Optimization**

Incremental Optimization Design of Transit Service, Eil Kwon and Yorgos J. Stephanedes, TE July 87 p437-449.

Optimal Maintenance Decisions for Pavement Management, J. V. Carnahan, W. J. Davis, M. Y. Shahin, P. L. Keane and M. I. Wu, TE Sept. 87 p554-572.

### **Partnerships**

Public-Private Partnerships in Joint Development, Erskine S. Walther, TE Jan. 87 p97-100.

### **Passenger transportation**

Sensitivity of Level of Service in Short-Haul Market, Frank R. Wilson and Arun Herur, TE Nov. 87 p609-624.

### **Pavement condition**

Pavement Condition Data Analysis, John P. Zaniewski, Stuart W. Hudson and W. Ronald Hudson, TE July 87 p413-421.

Surface Condition Expert System for Pavement Rehabilitation Planning, Stephen G. Ritchie, Che-I Yeh, Joe P. Mahoney and Newton C. Jackson, TE Mar. 87 p155-167.

### **Pavement deterioration**

Estimation of Mechanical Deterioration of Highway Rigid Pavements, Jesus Larralde and Wai-Fah Chen, TE Mar. 87 p193-208.

Optimal Maintenance Decisions for Pavement Management, J. V. Carnahan, W. J. Davis, M. Y. Shahin, P. L. Keane and M. I. Wu, TE Sept. 87 p554-572.

### **Pavement management systems**

Optimal Maintenance Decisions for Pavement Management, J. V. Carnahan, W. J. Davis, M. Y. Shahin, P. L. Keane and M. I. Wu, TE Sept. 87 p554-572.

Pavement Condition Data Analysis, John P. Zaniewski, Stuart W. Hudson and W. Ronald Hudson, TE July 87 p413-421.

### **Pavements**

Chemistry of Deicing Roads: Breaking the Bond Between Ice and Road, Susan E. Trost, Frank J. Heng and E. L. Cussler, TE Jan. 87 p15-26.

Multi-Attribute Utility in Pavement Rehabilitation Decisions, Satish Mohan and Adil Bushnak, TE July 85 p426-440.

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

### **Pedestrian safety**

Are Pedestrians Safe at Right-On-Red Intersections? Himmat S. Chadda and Paul M. Schonfeld, TE Jan. 85 p1-16.

### **Performance**

Field Performance of Deep Polymer Impregnation, Philip D. Cady, Richard E. Weyers and John A. Manson, TE Jan. 87 p1-14.

### **Performance evaluation**

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

### **Pipeline design**

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

### **Plastic pipes**

Behavior and Design of Buried Very Flexible Plastic Pipes, Jey K. Jayapalan, S. Wesley Ethiyajeevakaruna and Bruce A. Boldon, TE Nov. 87 p642-657.

### **Policies**

Incremental Optimization Design of Transit Service, Eil Kwon and Yorgos J. Stephanedes, TE July 87 p437-449.

### **Pollution control**

Network Performance Evaluation Model for HOV Facilities, Bruce N. Janson, Carlos Zozaya-Gorostiza and Frank Southworth, TE July 87 p381-401.

## **Polymers**

Field Performance of Deep Polymer Impregnation, Philip D. Cady, Richard E. Weyers and John A. Manson, TE Jan. 87 p1-14.

## **Portland cements**

Tensile Fracture and Fatigue of Cement-Stabilized Soil, William W. Crookford and Dallas N. Little, TE Sept. 87 p520-537.

## **Pressure distribution**

Flexible Pavement Strains Caused by Auto Tires, Freddy L. Roberts, TE Sept. 87 p471-483.

## **Priorities**

Case for Variable Design Standards for Secondary Roads, Cletus R. Mercier, TE Mar. 87 p178-192.

Multi-Attribute Utility in Pavement Rehabilitation Decisions, Satish Mohan and Adil Bushnak, TE July 85 p426-440.

## **Private sector**

Public-Private Partnerships in Joint Development, Erskine S. Walther, TE Jan. 87 p97-100.

## **Probabilistic methods**

Probabilistic Approach to Consistency in Geometric Design, Moshe Hirsh, TE May 87 p268-276.

## **Public participation**

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

## **Public transportation**

Electronic Schedule Display System, Marilyn M. Reynolds, TE July 87 p463-469.

Incremental Optimization Design of Transit Service, Eil Kwon and Yorgos J. Stephanedes, TE July 87 p437-449.

Public-Private Partnerships in Joint Development, Erskine S. Walther, TE Jan. 87 p97-100.

## **Railroad grade crossings**

Assessing Traffic and Emergency Benefits of Railroad Grade Separations, Said M. Easa and David R. McColl, TE Nov. 87 p593-608.

## **Ratings**

Bridge Analysis and Rating with Microcomputers, Carl E. Kurt, TE July 87 p357-369.

Case for Variable Design Standards for Secondary Roads, Cletus R. Mercier, TE Mar. 87 p178-192.

## **Regional development**

Local Air Service and Economic Impact of Small Airports, Adib Kanafani and Mahmoud S. Abbas, TE Jan. 87 p42-55.

## **Rehabilitation**

Multi-Attribute Utility in Pavement Rehabilitation Decisions, Satish Mohan and Adil Bushnak, TE July 85 p426-440.

Surface Condition Expert System for Pavement Rehabilitation Planning, Stephen G. Ritchie, Che-I Yeh, Joe P. Mahoney and Newton C. Jackson, TE Mar. 87 p155-167.

## **Reinforced plastic pipe**

Longitudinal Stresses and Strains in Design of RPM Pipes, Jey K. Jeyapalan and B. M. Abdel-Magid, TE May 87 p315-331.

## **Reliability**

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

## **Repeated loading**

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

## **Right-of-way**

Uncontrolled T Intersections: Who Should Yield? Robert E. Montgomery and Robert L. Carstens, TE May 87 p299-314.

## **Rigid pavements**

Axisymmetric Slabs of Finite Extent on Elastic Solid, Anastasios M. Ioannides, TE May 87 p277-290.

Estimation of Mechanical Deterioration of Highway Rigid Pavements, Jesus Larralde and Wai-Fah Chen, TE Mar. 87 p193-208.

## **Risk management**

Tort Liability and Risk Management, Gary L. Gittings, TE Jan. 87 p27-41.

## **Roads**

Case for Variable Design Standards for Secondary Roads, Cletus R. Mercier, TE Mar. 87 p178-192.

## **Route preferences**

Incremental Optimization Design of Transit Service, Eil Kwon and Yorgos J. Stephanedes, TE July 87 p437-449.

Operational Feasibility of Timed Transfer in Transit Systems, Mark Abkowitz, Robert Josef, John Tozzi and Mary K. Driscoll, TE Mar. 87 p168-177.

## **Scheduling**

Electronic Schedule Display System, Marilyn M. Reynolds, TE July 87 p463-469.

Microcomputer Tool for Freeway Work Zone Planning and Scheduling, Raymond A. Krammes, Blair G. Marsden and Conrad L. Dudek, TE July 87 p348-356.

Operational Feasibility of Timed Transfer in Transit Systems, Mark Abkowitz, Robert Josef, John Tozzi and Mary K. Driscoll, TE Mar. 87 p168-177.

## **Service life**

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

## **Signalized intersections**

Comparison of Computer Programs for Isolated Signalized Intersection, Judson S. Matthias, A. Essam Radwan and Ahmad Sadegh, TE July 87 p370-380.

Left-Turn Adjustment Factor for Permitted Phasing, David L. Guell, TE Nov. 87 p689-695.

#### **Simulation models**

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

#### **Slabs**

Axisymmetric Slabs of Finite Extent on Elastic Solid, Anastasios M. Ioannides, TE May 87 p277-290.

#### **Soil pressure**

Buried Concrete Pipe Trench Installation Analysis, Ernest T. Selig and David L. Packard, TE Sept. 87 p485-501.

#### **Soil stabilization**

Tensile Fracture and Fatigue of Cement-Stabilized Soil, William W. Crockford and Dallas N. Little, TE Sept. 87 p520-537.

#### **Soil-pipe interaction**

Behavior and Design of Buried Very Flexible Plastic Pipes, Jey K. Jeyapalan, S. Wesley Ethiyajeevakaruna and Bruce A. Boldon, TE Nov. 87 p642-657.

Buried Concrete Pipe Trench Installation Analysis, Ernest T. Selig and David L. Packard, TE Sept. 87 p485-501.

Effects of Vehicles on Buried, High-Pressure Pipe, John C. Potter, TE May 85 p224-236.

Longitudinal Stresses and Strains in Design of RPM Pipes, Jey K. Jeyapalan and B. M. Abdel-Magid, TE May 87 p315-331.

#### **Speed**

Estimating Effect of Vehicle Characteristics on Fuel Consumption, D. C. Biggs and R. Akcelik, TE Jan. 87 p101-106.

#### **Speed changes**

Probabilistic Approach to Consistency in Geometric Design, Moshe Hirsch, TE May 87 p268-276.

#### **State government**

Tort Liability and Risk Management, Gary L. Gittings, TE Jan. 87 p27-41.

#### **Steel pipes**

Effects of Vehicles on Buried, High-Pressure Pipe, John C. Potter, TE May 85 p224-236.

#### **Submarine pipelines**

Leakage from Ruptured Submarine Oil Pipeline, C. Kranenburg and E. Vegt, TE Sept. 85 p570-581.

#### **Tensile strain**

Tire Contact Pressure and Its Effect on Pavement Strain, John T. Tielking and Freddy L. Roberts, TE Jan. 87 p56-71.

#### **Terminal facilities**

Electronic Schedule Display System, Marilyn M. Reynolds, TE July 87 p463-469.

#### **Tort laws**

Tort Liability and Risk Management, Gary L. Gittings, TE Jan. 87 p27-41.

#### **Traffic accident analysis**

PC-Based Traffic Accident Data Analysis Program, Carl Thor, TE July 87 p402-412.

#### **Traffic analysis**

PASSER II-84 Microcomputer Environment System—Practical Signal-Timing Tool, Edmond Chin-Ping Chang, Blair G. Marsden and B. Ray Derr, TE Nov. 87 p625-641.

#### **Traffic control**

Application of Expert Systems in Air Traffic Control, Geoffrey D. Gosling, TE Mar. 87 p139-154.

Expert System for Traffic Signal Setting Assistance, Carlos Zozaya-Gorostiza and Chris Hendrickson, TE Mar. 87 p108-126.

Traffic Control at Intersection Sites during Reconstruction, Roger Plum and Panos Michalopoulos, TE July 87 p422-436.

#### **Traffic flow**

Application of Expert Systems in Air Traffic Control, Geoffrey D. Gosling, TE Mar. 87 p139-154.

Expert System for Traffic Signal Setting Assistance, Carlos Zozaya-Gorostiza and Chris Hendrickson, TE Mar. 87 p108-126.

Improving Manual Counts of Turning Traffic Volumes at Road Junctions, Olusegun Adebisi, TE May 87 p256-267.

Microcomputer Tool for Freeway Work Zone Planning and Scheduling, Raymond A. Krammes, Blair G. Marsden and Conrad L. Dudek, TE July 87 p348-356.

XNET: Extended Traffic Assignment Model, Yosef Sheffi and Cynthia Barnhart, TE July 87 p450-462.

#### **Traffic laws**

Uncontrolled T Intersections: Who Should Yield? Robert E. Montgomery and Robert L. Carstens, TE May 87 p299-314.

#### **Traffic management**

Assessing Traffic and Emergency Benefits of Railroad Grade Separations, Said M. Easa and David R. McColl, TE Nov. 87 p593-608.

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

#### **Traffic models**

Assessing Traffic and Emergency Benefits of Railroad Grade Separations, Said M. Easa and David R. McColl, TE Nov. 87 p593-608.

XNET: Extended Traffic Assignment Model, Yosef Sheffi and Cynthia Barnhart, TE July 87 p450-462.

#### **Traffic planning**

Urban Arterial Planning and Analysis, Dane R. Ismart and George Schoener, TE May 87 p291-298.

XNET: Extended Traffic Assignment Model, Yosef Sheffi and Cynthia Barnhart, TE July 87 p450-462.



### **Traffic safety**

Developing an Intersection Hazard Index, Richard E. Ward, Ronald W. Eck and Abishai Polu, TE Mar. 87 p211-215.

PC-Based Traffic Accident Data Analysis Program, Carl Thor, TE July 87 p402-412.

### **Traffic signals**

Are Pedestrians Safe at Right-On-Red Intersections? Himmat S. Chadda and Paul M. Schonfeld, TE Jan. 85 p1-16.

Comparison of Computer Programs for Isolated Signalized Intersection, Judson S. Matthias, A. Essam Radwan and Ahmad Sadegh, TE July 87 p370-380.

Expert System for Traffic Signal Setting Assistance, Carlos Zozaya-Gorostiza and Chris Hendrickson, TE Mar. 87 p108-126.

PASSER II-84 Microcomputer Environment System—Practical Signal-Timing Tool, Edmond Chin-Ping Chang, Blair G. Marsden and B. Ray Derr, TE Nov. 87 p625-641.

### **Traffic volume**

Driver Population Factor in New Highway Capacity Manual, Satish C. Sharma, TE Sept. 87 p575-579.

Improving Manual Counts of Turning Traffic Volumes at Road Junctions, Olusegun Adebisi, TE May 87 p256-267.

### **Transportation**

Review of Financing Options for Highways and Transit, Gary T. Johnson and Lester A. Hoel, TE Jan. 87 p72-83.

### **Transportation management**

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

### **Transportation models**

Network Performance Evaluation Model for HOV Facilities, Bruce N. Janson, Carlos Zozaya-Gorostiza and Frank Southworth, TE July 87 p381-401.

### **Transportation planning**

Network Performance Evaluation Model for HOV Facilities, Bruce N. Janson, Carlos Zozaya-Gorostiza and Frank Southworth, TE July 87 p381-401.

Sensitivity of Level of Service in Short-Haul Market, Frank R. Wilson and Arun Herur, TE Nov. 87 p609-624.

Urban Arterial Planning and Analysis, Dane R. Ismart and George Schoener, TE May 87 p291-298.

Urban Transportation Planning Since the Federal-Aid Highway Act of 1962, Edward Weiner, TE Nov. 87 p658-671.

### **Transportation systems**

Operational Feasibility of Timed Transfer in Transit Systems, Mark Abkowitz, Robert Josef, John Tozzi and Mary K. Driscoll, TE Mar. 87 p168-177.

### **Travel modes**

Public Use of Autos: Mobility Enterprise Project, M. J. Doherty, F. T. Sparrow and K. C. Sinha, TE Jan. 87 p84-94.

### **Trenches**

Buried Concrete Pipe Trench Installation Analysis, Ernest T. Selig and David L. Packard, TE Sept. 87 p485-501.

### **Urban transportation**

Environmental Planning in Urban Transportation, Louis F. Cohn and Roswell A. Harris, TE May 87 p229-247.

Urban Arterial Planning and Analysis, Dane R. Ismart and George Schoener, TE May 87 p291-298.

Urban Transportation Planning Since the Federal-Aid Highway Act of 1962, Edward Weiner, TE Nov. 87 p658-671.

### **User fees**

Review of Financing Options for Highways and Transit, Gary T. Johnson and Lester A. Hoel, TE Jan. 87 p72-83.

### **Utility theory**

Multi-Attribute Utility in Pavement Rehabilitation Decisions, Satish Mohan and Adil Bushnak, TE July 85 p426-440.

### **Vehicles**

Estimating Effect of Vehicle Characteristics on Fuel Consumption, D. C. Biggs and R. Akcelik, TE Jan. 87 p101-106.

### **Vehicular traffic**

Effects of Vehicles on Buried, High-Pressure Pipe, John C. Potter, TE May 85 p224-236.

### **Water distribution**

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

### **Water resources**

Environmental Planning in Urban Transportation, Louis F. Cohn and Roswell A. Harris, TE May 87 p229-247.



# AUTHOR INDEX

- Abbas, Mahmoud S.**  
see Kanafani, Adib, TE Jan. 87, p42-55
- Abdel-Magid, B. M.**  
see Jeyapalan, Jey K., TE May 87, p315-331
- Abkowitz, Mark**  
Operational Feasibility of Timed Transfer in Transit Systems, with Robert Josef, John Tozzi and Mary K. Driscoll, TE Mar. 87, p168-177
- Adebisi, Olusegun**  
Improving Manual Counts of Turning Traffic Volumes at Road Junctions, TE May 87, p256-267
- Adiv, Aaron**  
A Game/Simulation for Transportation Management, TE Jan. 86, p88-104  
disc: J. de D. Ortuzar, TE Mar. 87, p225-227  
clo: TE Mar. 87, p227
- Akcelik, R.**  
see Biggs, D. C., TE Jan. 87, p101-106
- Ashtakala, B.**  
see Murthy, A. S. Narasimha, TE Sept. 87, p502-519
- Barnhart, Cynthia**  
see Sheffi, Yosef, TE July 87, p450-462
- Bar-Ziv, Jehoshua**  
disc. (of Are Pedestrians Safe at Right-On-Red Intersections?), by Himmat S. Chadda and Paul M. Schonfeld, TE Jan. 85, p1-16, TE May 87, p335
- Bell, Lansford, C.**  
Data Base for Preliminary Cost Estimating, with Albert Kaminsky, TE July 87, p341-347
- Biggs, D. C.**  
Estimating Effect of Vehicle Characteristics on Fuel Consumption, with R. Akcelik, TE Jan. 87, p101-106
- Boldon, Bruce A.**  
see Jeyapalan, Jey K., TE Nov. 87, p642-657
- Bowlby, W.**  
see Harris, R. A., TE Mar. 87, p127-138
- Bowlby, William**  
Design Method for Parallel Traffic Noise Barriers, with Louis F. Cohn and Roswell A. Harris, TE Nov. 87, p672-685
- Bushnak, Adil**  
see Mohan, Satish, TE July 85, p426-440
- Cady, Phillip D.**  
Field Performance of Deep Polymer Impregnation, with Richard E. Weyers and John A. Manson, TE Jan. 87, p1-14
- Carnahan, J. V.**  
Optimal Maintenance Decisions for Pavement Management, with W. J. Davis, M. Y. Shahin, P. L. Keane and M. I. Wu, TE Sept. 87, p554-572
- Carstens, Robert L.**  
see Montgomery, Robert E., TE May 87, p299-314
- Chadda, Himmat S.**  
Are Pedestrians Safe at Right-On-Red Intersections?, with Paul M. Schonfeld, TE Jan. 85, p1-16  
disc: Jehoshua Bar-Ziv, TE May 87, p335  
disc: Babaturde Owolabi, TE May 87, p336-337  
clo: TE May 87, p337
- Chang, Edmond Chin-Ping**  
PASSER II-84 Microcomputer Environment System—Practical Signal-Timing Tool, with Blair G. Marsden and B. Ray Derr, TE Nov. 87, p625-641
- Chen, Wai-Fah**  
see Larralde, Jesus, TE Mar. 87, p193-208
- Coats, A. V.**  
see Goulter, I. C., TE May 86, p287-301
- Cohn, L. F.**  
see Harris, R. A., TE Mar. 87, p127-138
- Cohn, Louis F.**  
Environmental Planning in Urban Transportation, with Roswell A. Harris, TE May 87, p229-247  
see Bowlby, William, TE Nov. 87, p672-685
- Crockford, William W.**  
Tensile Fracture and Fatigue of Cement-Stabilized Soil, with Dallas N. Little, TE Sept. 87, p520-537
- Cusler, E. L.**  
see Trost, Susan E., TE Jan. 87, p15-26
- Davis, W. J.**  
see Carnahan, J. V., TE Sept. 87, p554-572
- de D. Ortuzar, J.**  
disc. (of A Game/Simulation for Transportation Management, by Aaron Adiv, TE Jan. 86, p88-104), TE Mar. 87, p225-227
- Derr, B. Ray**  
see Chang, Edmond Chin-Ping, TE Nov. 87, p625-641
- Doherty, M. J.**  
Public Use of Autos: Mobility Enterprise Project, with F. T. Sparrow and K. C. Sinha, TE Jan. 87, p84-94
- Driscoll, Mary K.**  
see Abkowitz, Mark, TE Mar. 87, p168-177
- Dudek, Conrad L.**  
see Krammes, Raymond A., TE July 87, p348-356
- Duncan, James M.**  
see Hartley, James D., TE Sept. 87, p538-558
- Easa, Said M.**  
Assessing Traffic and Emergency Benefits of Railroad Grade Separations, with David R. McColl, TE Nov. 87, p593-608
- Eck, Ronald W.**  
see Ward, Richard E., TE Mar. 87, p211-215
- Erickson, John**  
disc. (of NO<sub>2</sub> Exposure from Vehicles and Gas Stoves, by Michael D. Rowe, TE Nov. 85, p679-691), TE Mar. 87, p223-224

- Ethiyajeevakaruna, S. Wesley**  
see Jeyapalan, Jey K., TE Nov. 87, p642-657
- Fannelop, K.**  
disc. (of Leakage from Ruptured Submarine Oil Pipeline, by C. Kranenburg and E. Vegt, TE Sept. 85, p570-581), TE Mar. 87, p221
- Gittings, Gary L.**  
Tort Liability and Risk Management, TE Jan. 87, p27-41
- Gouling, Geoffrey D.**  
Application of Expert Systems in Air Traffic Control, TE Mar. 87, p139-154
- Goulter, I. C.**  
Quantitative Approaches to Reliability Assessment in Pipe Networks, with A. V. Coals, TE May 86, p287-301  
disc: Thomas M. Walaki, TE Sept. 87, p585-587  
clo: TE Sept. 87, p587-589
- Guell, David L.**  
Left-Turn Adjustment Factor for Permitted Phasing, TE Nov. 87, p689-695
- Harris, R. A.**  
Designing Noise Barriers Using Expert System CHINA, with L. F. Cohn and W. Bowliby, TE Mar. 87, p127-138
- Harris, Roswell A.**  
see Bowliby, William, TE Nov. 87, p672-685  
see Cohn, Louis F., TE May 87, p229-247
- Hartley, James D.**  
E' and Its Variation With Depth, with James M. Duncan, TE Sept. 87, p538-558
- Hendrickson, Chris**  
see Zozaya-Gorostiza, Carlos, TE Mar. 87, p108-126
- Heng, Frank J.**  
see Trost, Susan E., TE Jan. 87, p15-26
- Herur, Arun**  
see Wilson, Frank R., TE Nov. 87, p609-624
- Hirsh, Moshe**  
Probabilistic Approach to Consistency in Geometric Design, TE May 87, p268-276
- Hoel, Lester A.**  
see Johnson, Gary T., TE Jan. 87, p72-83
- Hudson, Stuart W.**  
see Zaniewski, John P., TE July 87, p413-421
- Hudson, W. Ronald**  
see Zaniewski, John P., TE July 87, p413-421
- Hyman, Samuel I.**  
disc. (of Effects of Vehicles on Buried, High-Pressure Pipe, by John C. Potter, TE May 85, p224-236), TE Mar. 87, p219
- Iannides, Anastasios M.**  
Axisymmetric Slabs of Finite Extent on Elastic Solid, TE May 87, p277-290
- Ismart, Dane R.**  
Urban Arterial Planning and Analysis, with George Schoener, TE May 87, p291-298
- Jackson, Newton C.**  
see Ritchie, Stephen G., TE Mar. 87, p155-167
- Janson, Bruce N.**  
Network Performance Evaluation Model for HOV Facilities, with Carlos Zozaya-Gorostiza and Frank Southworth, TE July 87, p381-401
- Jeyapalan, Jey K.**  
Behavior and Design of Buried Very Flexible Plastic Pipes, with S. Wesley Ethiyajeevakaruna and Bruce A. Boldon, TE Nov. 87, p642-657  
Longitudinal Stresses and Strains in Design of RPM Pipes, with B. M. Abdel-Magid, TE May 87, p315-331
- Johnson, Gary T.**  
Review of Financing Options for Highways and Transit, with Lester A. Hoel, TE Jan. 87, p72-83
- Josef, Robert**  
see Abkowitz, Mark, TE Mar. 87, p168-177
- Kaminsky, Albert**  
see Bell, Lansford, C., TE July 87, p341-347
- Kanafani, Adib**  
Local Air Service and Economic Impact of Small Airports, with Mahmoud S. Abbas, TE Jan. 87, p42-55
- Keane, P. L.**  
see Carnahan, J. V., TE Sept. 87, p554-572
- Krammes, Raymond A.**  
Microcomputer Tool for Freeway Work Zone Planning and Scheduling, with Blair G. Marsden and Conrad L. Dudek, TE July 87, p348-356
- Kranenburg, C.**  
Leakage from Ruptured Submarine Oil Pipeline, with E. Vegt, TE Sept. 85, p570-581  
disc: K. Fannelop, TE Mar. 87, p221  
clo: TE Mar. 87, p222
- Kurt, Carl E.**  
Bridge Analysis and Rating with Microcomputers, TE July 87, p357-369
- Kwon, Eli**  
Incremental Optimization Design of Transit Service, with Yorgos J. Stephanedes, TE July 87, p437-449
- Larraide, Jesus**  
Estimation of Mechanical Deterioration of Highway Rigid Pavements, with Wai-Fah Chen, TE Mar. 87, p193-208
- Little, Dallas N.**  
see Crockford, William W., TE Sept. 87, p520-537
- McColl, David R.**  
see Easa, Said M., TE Nov. 87, p593-608
- Mahmassani, Hani S.**  
disc. (of Multi-Attribute Utility in Pavement Rehabilitation Decisions, by Satish Mohan and Adil Bushnak, TE July 85, p426-440), TE Sept. 87, p583-585
- Mahoney, Joe P.**  
see Ritchie, Stephen G., TE Mar. 87, p155-167
- Manson, John A.**  
see Cady, Philip D., TE Jan. 87, p1-14

- Marsden, Blair G.**  
see Chang, Edmond Chin-Ping, TE Nov. 87, p625-641  
see Krammes, Raymond A., TE July 87, p348-356
- Matthias, Judson S.**  
Comparison of Computer Programs for Isolated Signalized Intersection, with A. Essam Radwan and Ahmad Sadegh, TE July 87, p370-380
- Mercler, Cletus R.**  
Case for Variable Design Standards for Secondary Roads, TE Mar. 87, p178-192
- Michalopoulos, Panos**  
see Plum, Roger, TE July 87, p422-436
- Mohan, Satish**  
Multi-Attribute Utility in Pavement Rehabilitation Decisions, with Adil Bushnak, TE July 85, p426-440  
disc: Hani S. Mahmassani, TE Sept. 87, p583-585
- Montgomery, Robert E.**  
Uncontrolled T Intersections: Who Should Yield?, with Robert L. Carstens, TE May 87, p299-314
- Murthy, A. S. Narasimha**  
Modal Split Analysis Using Logit Models, with B. Ashtakala, TE Sept. 87, p502-519
- Owolabi, Babatunde**  
disc. (of Are Pedestrians Safe at Right-On-Red Intersections?, by Himmat S. Chadda and Paul M. Schonfeld, TE Jan. 85, p1-16), TE May 87, p336-337
- Packard, David L.**  
see Selig, Ernest T., TE Sept. 87, p485-501
- Plum, Roger**  
Traffic Control at Intersection Sites during Reconstruction, with Panos Michalopoulos, TE July 87, p422-436
- Folan, Abishai**  
Proper Determination of Earthworks Overhaul, TE May 87, p249-255  
see Ward, Richard E., TE Mar. 87, p211-215
- Potter, John C.**  
Effects of Vehicles on Buried, High-Pressure Pipe, TE May 85, p224-236  
disc: Samuel I. Hyman, TE Mar. 87, p219  
clo: TE Mar. 87, p220
- Radwan, A. Essam**  
see Matthias, Judson S., TE July 87, p370-380
- Reynolds, Marilyn M.**  
Electronic Schedule Display System, TE July 87, p463-469
- Ritchie, Stephen G.**  
Surface Condition Expert System for Pavement Rehabilitation Planning, with Che-I Yeh, Joe P. Mahoney and Newton C. Jackson, TE Mar. 87, p155-167
- Roberts, Freddy L.**  
Flexible Pavement Strains Caused by Auto Tires, TE Sept. 87, p471-483  
see Tielking, John T., TE Jan. 87, p56-71
- Rowe, Michael D.**  
NO<sub>x</sub> Exposure from Vehicles and Gas Stoves, TE Nov. 85, p679-691  
disc: John Erickson, TE Mar. 87, p223-224  
clo: TE Mar. 87, p224-225
- Sadegh, Ahmad**  
see Matthias, Judson S., TE July 87, p370-380
- Schoener, George**  
see Ismart, Dane R., TE May 87, p291-298
- Schonfeld, Paul M.**  
see Chadda, Himmat S., TE Jan. 85, p1-16
- Selig, Ernest T.**  
Buried Concrete Pipe Trench Installation Analysis, with David L. Packard, TE Sept. 87, p485-501
- Shahin, M. Y.**  
see Carnahan, J. V., TE Sept. 87, p554-572
- Sharma, Satish C.**  
Driver Population Factor in New Highway Capacity Manual, TE Sept. 87, p575-579
- Sheffi, Yosef**  
XNET: Extended Traffic Assignment Model, with Cynthia Barnhart, TE July 87, p450-462
- Sinha, K. C.**  
see Doherty, M. J., TE Jan. 87, p84-94
- Smith, Robert Brian**  
Performance Study of a Surface Treated Crushed Rock Pavement, with William Otho Yandell, TE Nov. 86, p649-653  
err: TE Sept. 87, p591
- Southworth, Frank**  
see Janson, Bruce N., TE July 87, p381-401
- Sparrow, F. T.**  
see Doherty, M. J., TE Jan. 87, p84-94
- Stephanedes, Yorgos J.**  
see Kwon, Eil, TE July 87, p437-449
- Thor, Carl**  
PC-Based Traffic Accident Data Analysis Program, TE July 87, p402-412
- Tielking, John T.**  
Tire Contact Pressure and Its Effect on Pavement Strain, with Freddy L. Roberts, TE Jan. 87, p56-71
- Tozzi, John**  
see Abkowitz, Mark, TE Mar. 87, p168-177
- Trost, Susan E.**  
Chemistry of Deicing Roads: Breaking the Bond Between Ice and Road, with Frank J. Heng and E. L. Cussler, TE Jan. 87, p15-26
- Vegt, E.**  
see Kranenburg, C., TE Sept. 85, p570-581
- Walsh, Thomas M.**  
disc. (of Quantitative Approaches to Reliability Assessment in Pipe Networks, by I. C. Goulter and A. V. Coals, TE May 86, p287-301), TE Sept. 87, p585-587

Walther, Erskine S.  
Public-Private Partnerships in Joint Development,  
TE Jan. 87, p97-100

Ward, Richard E.  
Developing an Intersection Hazard Index, with  
Ronald W. Eck and Abishai Polus, TE Mar. 87,  
p211-215

Weimer, Edward  
Urban Transportation Planning Since the Federal-  
Aid Highway Act of 1962, TE Nov. 87, p658-671

Weyers, Richard E.  
see Cady, Philip D., TE Jan. 87, p1-14

Wilson, Frank R.  
Sensitivity of Level of Service in Short-Haul  
Market, with Arun Herur, TE Nov. 87, p609-624

Wu, M. I.  
see Carnahan, J. V., TE Sept. 87, p554-572

Yandell, William Otho  
see Smith, Robert Brian, TE Nov. 86, p649-653

Yeh, Che-I  
see Ritchie, Stephen G., TE Mar. 87, p155-167

Zaniewski, John P.  
Pavement Condition Data Analysis, with Stuart W.  
Hudson and W. Ronald Hudson, TE July 87,  
p413-421

Zozaya-Gorostiza, Carlos  
Expert System for Traffic Signal Setting Assistance,  
with Chris Hendrickson, TE Mar. 87, p108-126  
see Jansson, Bruce N., TE July 87, p381-401

